

Table 1: Significance table.

	Events _{afterαlphat$_n$jets$_a$nd$_P$FSL_{cuts}}	Events _{afterαlphat$_n$jets$_a$nd$_S$$L_{cuts}$}	Events _{afterαlphat$_n$jets$_r$e$_a$nd$_P$FSL_{cuts}}	Events _{afterαlphat$_n$jets$_r$e$_a$nd$_S$$L_{cuts}$}
QCD $_{Pt15}$	0 +- 0	0 +- 0	0 +- 0	0 +- 0
QCD $_{Pt30}$	0 +- 0	0 +- 0	0 +- 0	0 +- 0
QCD $_{Pt80}$	0 +- 0	29.12 +- 16.81	0 +- 0	19.41 +- 13.73
QCD $_{Pt170}$	3.822 +- 1.021	2.184 +- 0.7722	2.184 +- 0.7722	0.546 +- 0.3861
QCD $_{Pt300}$	0.7901 +- 0.1012	0.09067 +- 0.03427	0.5052 +- 0.08089	0.02591 +- 0.01832
QCD $_{Pt470}$	0.2147 +- 0.01719	0.001376 +- 0.001376	0.1486 +- 0.0143	0.001376 +- 0.001376
QCD $_{Pt800}$	0.01292 +- 0.0006621	0 +- 0	0.00865 +- 0.0005417	0 +- 0
QCD $_{Pt1400}$	0.0001256 +- 6.346e-06	0 +- 0	9.456e-05 +- 5.505e-06	0 +- 0
TTbar $_{temp}$	18.51 +- 0.2666	19.57 +- 0.2741	11.71 +- 0.212	11.75 +- 0.2124
WJets $_{temp}$	17.96 +- 1.208	18.85 +- 1.238	11.54 +- 0.9684	13.98 +- 1.066
ZJets $_{temp}$	0.4493 +- 0.1834	0.07489 +- 0.07489	0.4493 +- 0.1834	0.1498 +- 0.1059
ww $_{pat_1}$	0.4239 +- 0.05716	0.4393 +- 0.05819	0.3006 +- 0.04814	0.2929 +- 0.04751
wz $_{pat_1}$	0.1896 +- 0.02389	0.2438 +- 0.02708	0.1444 +- 0.02085	0.1595 +- 0.02191
zz $_{pat_1}$	0.09132 +- 0.009573	0.1375 +- 0.01175	0.06322 +- 0.007965	0.09032 +- 0.00952
LM2 $_{temp}$	1.262 +- 0.01163	1.194 +- 0.01132	0.8018 +- 0.009273	0.7281 +- 0.008837
Significancy	0.1936	0.142	0.1541	0.1069
QCD Significancy	0.5736	0.2131	0.4752	0.1629